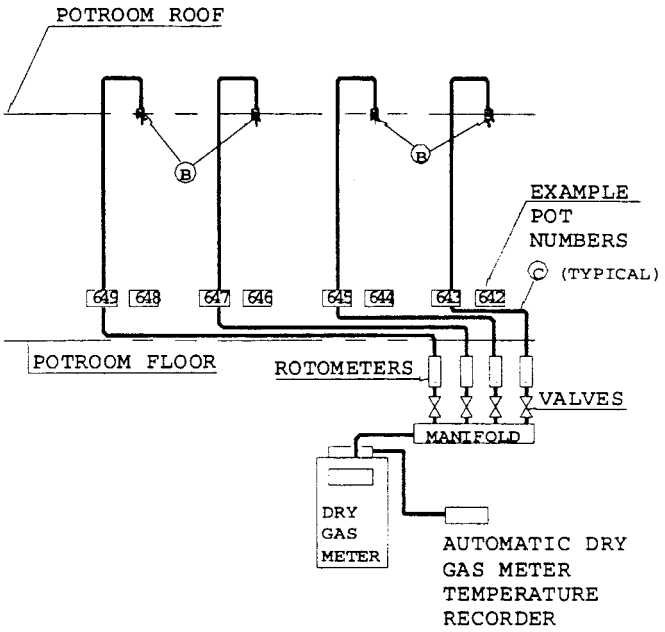
$$R_e = \frac{(5\ \mu g/ft^3)(250\ ft/min)(17{,}400\ ft^2)(2.2\times10^{-9}\ lb/\mu g)}{(0.116\ ton/min)} \qquad \text{Eq. 14A-6}$$

$$R_e = 0.41\ lb/ton\ of\ aluminum\ produced. \qquad \text{Eq. 14A-7}$$

12.4 Corrections to volumes due to leakage. Should the post-test leak check leakage rate exceed 4 percent as described in section 8.3.2 of this method, correct the volume as detailed in Case I in section 6.3 of Method 5 of this appendix.



Ⓑ ALCAN CASSETTE EXAMPLE METHOD SAMPLING POINTS
Ⓒ POLYETHYLENE TUBING ENCLOSED IN CONDUIT

Figure 14A-1. Conceptual side view of arrangement of 4 cassettes for one-half of a potroom.

Note: This drawing does not reflect an equally acceptable arrangement of 8 cassettes in a cassette group located along at least 8 percent of the potroom roof.

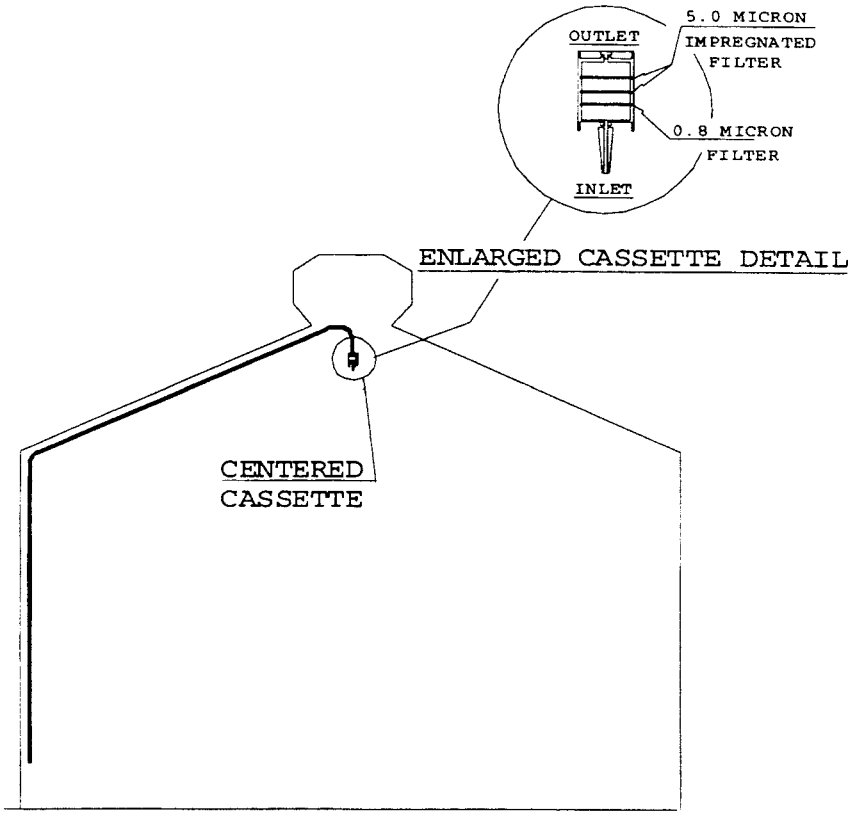


Figure 14A-2. Conceptual end view of cassette placement in a potroom roof.

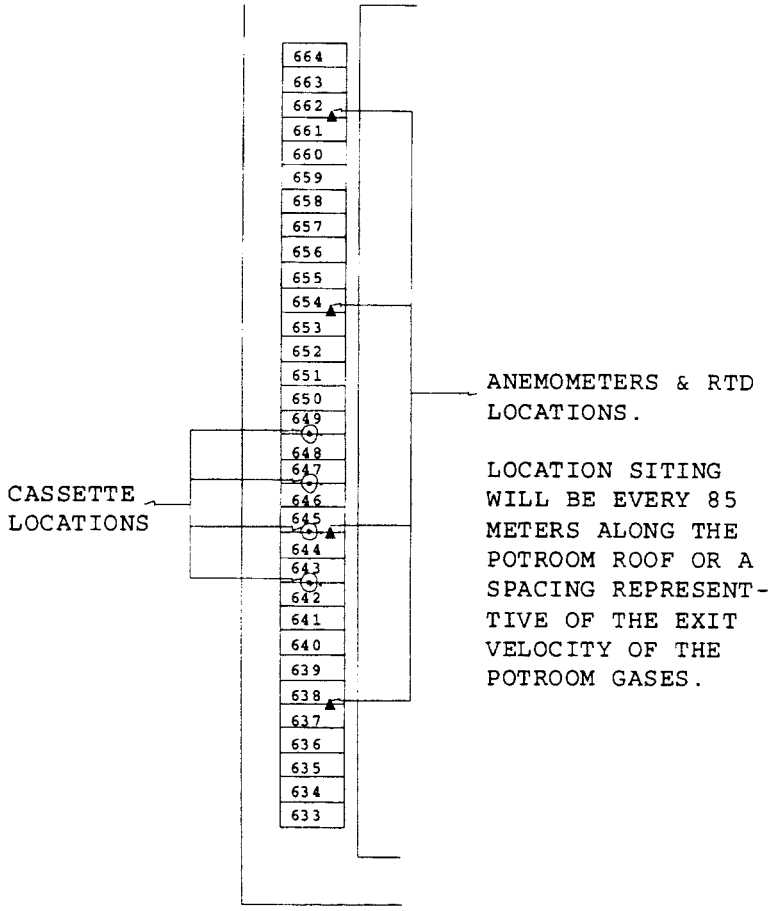


Figure 14A-3. Conceptual side view of positions of cassettes, anemometers, and RTDs in a typical half of a potroom.

Note: This drawing does not reflect other potentially acceptable arrangements.